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# United States Patent [19]

Gilbert et al.

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- [54] **ORDERED SPARSE ACCUMULATOR AND ITS USE IN EFFICIENT SPARSE MATRIX COMPUTATION**
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364/736.03
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## [57] ABSTRACT

A data structure, called an ordered sparse accumulator (Ordered SPA), permits sequencing in numeric order by index and dynamic alteration of the nonzero structure of the active column in sparse matrix computations during the sequencing operation.

5 Claims, 5 Drawing Sheets

